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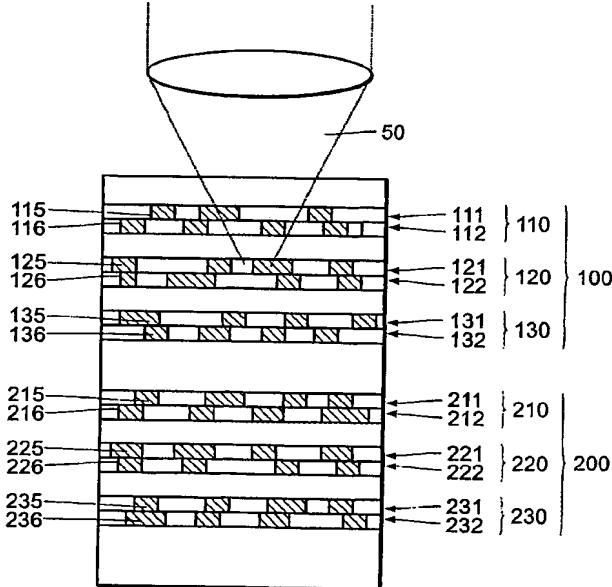
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(54) Title: OPTICAL INFORMATION RECORDING MEDIUM



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(57) Abstract: The invention relates to an optical information recording medium and methods and devices to record and read information thereto and thereof. The optical information recording medium comprises luminescent nano-elements. The nano-element species differ in at least one luminescence wavelength. Therefore, a specific luminescence signal is obtained in accordance with the nano-element species irradiated by a reading light beam. Methods and devices to record and read information by using such optical information recording media are also described.